

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
2 June 2005 (02.06.2005)

PCT

(10) International Publication Number  
**WO 2005/049013 A1**

(51) International Patent Classification<sup>7</sup>: **A61K 31/41**, 31/4965, 31/549, 45/06, A61P 3/10, 5/00, 5/18, 5/48, 5/50, 9/00, 9/02, 9/04, 9/10, 27/06, 43/00

(74) Agent: GRUBB, Philip; Novartis AG, Corporate Intellectual Property, CH-4002 Basel (CH).

(21) International Application Number:  
**PCT/EP2004/012386**

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date:  
2 November 2004 (02.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(30) Priority Data:  
0325605.4 3 November 2003 (03.11.2003) GB

Published:

— with international search report

(71) Applicant (*for all designated States except AT, US*): NOVARTIS AG [CH/CH]; Lichtstrasse 35, CH-4056 Basel (CH).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(71) Applicant (*for AT only*): NOVARTIS PHARMA GMBH [AT/AT]; Brunner Strasse 59, A-1230 Vienna (AT).

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): VASELLA, Daniel, Lucius [CH/CH]; Novartis International AG, Lichtstrasse 35, CH-4056 Basel (CH).



WO 2005/049013 A1

(54) Title: COMBINATIONS OF AT1-ANTAGONISTS, AMILOLIDE OR TRIAMTERINE, AND A DIURETIC.

(57) Abstract: The invention relates to a combination, such as a combined preparation or pharmaceutical composition, respectively, comprising: (i) an AT<sub>1</sub>-receptor antagonist or a pharmaceutically acceptable salt thereof, and (ii) the diuretic amiloride or triamterine or a pharmaceutically acceptable salt thereof, and (iii) a further diuretic or a pharmaceutically acceptable salt thereof.